



State Library of Massachusetts - Special Collections Department

Ms. Coll. 110

Metropolitan Water Board Reference Collection, 1884-1929: Guide

COLLECTION SUMMARY

Creator: Massachusetts. Metropolitan Water Board.

Call Number: Ms. Coll. 110

Extent: 2 boxes (2 linear feet)

Preferred Citation Style: *Folder Title, Box Number #.* Metropolitan Water Board Reference Collection. State Library of Massachusetts Special Collections.

About This Finding Aid: Description based on DACS.

Provenance: Transferred from the Massachusetts Archives to the State Library, 1997.

Processed by: Finding aid prepared by Brenda Howitson, 1998; updated by Abigail Cramer, 2012.

Abstract: This collection consists of fifteen volumes held by the Metropolitan Water Board Engineering Department which constituted part of its reference library; no other volumes from the library remain.

SCOPE AND CONTENT

This collection consists of fifteen volumes (only a portion of an unknown number) originally held in the Metropolitan Water Board Reference Library. The dates of publication range from 1884 to 1929. The original book number or numbers used by the Library are stamped on the spines and bookplates of each book and are indicated in the container list below. Circulation cards and

pockets in each book give evidence that this was a circulating library for use by agency engineers. Book titles reveal the kinds of subjects of interest to the engineers as they designed and constructed the water supply system for metropolitan Boston.

HISTORICAL NOTE

The Massachusetts Metropolitan Water Board, established in 1895, and its successor agency, the Metropolitan Water and Sewerage Board, were the agencies responsible for the construction, maintenance and operation of a system of water works for the city of Boston and surrounding communities. A reference library was maintained for the use of agency engineers. Volumes in the library related to the design, construction and operation of the infrastructure and machinery needed in running and maintaining the system.

ADMINISTRATIVE INFORMATION

Arrangement

The volumes are arranged alphabetically by author's last name.

Conditions Governing Access

This collection is open for research during the Special Collections Department's regular hours.

Conditions Governing Reproduction and Use

Copyright restrictions may apply. Requests for permission to publish material from this collection should be discussed with Special Collections staff.

Languages and Scripts

The materials are entirely in English.

Custodial History

The materials were transferred from the Metropolitan District Commission Archives to the Massachusetts Archives in 1997.

Immediate Source of Acquisition

The materials were transferred from the Massachusetts Archives to the State Library in 1997.

Container List

Box #	Folder Title	Book #
1	Baker, M.N., ed. <u>The Manual of American Water-Works... 1889-1890.</u> New York: Engineering News Publishing Co., 1890. <i>Stamped "F.P. Stearns" on inside front cover and on title page.</i>	No. 90
1	Barr, William M. <u>Pumping Machinery: A Practical Hand-Book Relating to the Construction and Management of Steam and Power Pumping Machines.</u> Philadelphia: J.B. Lippincott Co., 1893.	No. 34/47
1	Bruhns, C., ed. <u>A New Manual of Logarithms to Seven Places of Decimals.</u> 16th ed. New York: D. Van Nostrand Co., 1929.	No. 132
1	Christie, William Wallace. <u>Chimney Design and Theory: A Book for Engineers and Architects.</u> New York: D. Van Nostrand Co., 1899.	No. 45/57
1	Church, Irving P. <u>Mechanics of Engineering: Comprising Statics and Dynamics of Solids; the Mechanics of the Materials of Construction, or Strength and Elasticity of Beams, Columns, Shafts, Arches, etc.; and the Principles of Hydraulics and Pneumatics, with Applications.</u> New York: John Wiley & Sons, 1895.	No. 42/61
1	Coffin, Freeman C. <u>The Graphical Solution of Hydraulic Problems: Treating of the Flow of Water Through Pipes, in Channels and Sewers, over Weirs, etc.</u> New York: John Wiley & Sons, 1897.	No. 19
1	Davis, Charles Thomas. <u>A Treatise on Steam Boiler Incrustation and Methods for Preventing Corrosion and the Formation of Scale.</u> Washington, D.C.: Industrial Publishing Co., 1884.	No. 25/43
2	Fanning, J.T. <u>A Practical Treatise on Hydraulic and Water-Supply Engineering: Relating to the Hydrology, Hydrodynamics and Practical Construction of Water-Works in North America.</u> 12th ed., rev. and enl. New York: D. Van Nostrand Co., 1895.	No. 30/51
2	Frizell, Joseph P. <u>Water-Power: An Outline of the Development and Application Of the Energy of Flowing Water.</u> New York: John Wiley & Sons, 1901.	No. 29/50
2	Newman, John. <u>Metallic Structures: Corrosion and Fouling and Their</u>	No. 6/23

	<u>Prevention: A Practical Aid-Book to the Safety of Works in Iron and Steel, and of Ships; and To the Selection of Paints for Them.</u> New York: Spon & Chamberlain, 1896.	
2	Richards, John. <u>Centrifugal Pumps: An Essay on Their Construction and Operation And Some Account of the Origin and Development in This and Other Countries.</u> San Francisco: Industrial Publishing Co., 1894.	No. 24/64
2	Supplee, Henry Harrison, ed. <u>The Engineering Index, Vol. 3: Five Years - 1896-1900.</u> New York: Engineering Magazine, 1901.	No. 93/84
2	Supplee, Henry Harrison and J.H. Cuntz, eds. <u>The Engineering Index, Vol. 4: Five Years - 1901-1905.</u> New York: Engineering Magazine, 1907.	No. 94/85
1	Wegmann, Edward, Jr. <u>The Design and Construction of Masonry Dams Giving the Method Employed in Determining the Profile of the Quaker Bridge Dam.</u> New York: John Wiley & Sons, 1888. <i>Stamped "State Board of Health, Engineer's Office" on inside front cover and on recto of first page; stamped "Metropolitan Water Board" on recto of first page.</i>	No. 57/73
2	Weston, Edmund B. <u>Tables Showing Loss of Head due to Friction of Water in Pipes.</u> New York: D. Van Nostrand Co., 1896.	No. 13/9